



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.miamidadecounty.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

YKK AP America
7680 The Bluffs, Suite 100
Austell, GA 30168

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "35H" Aluminum Outswing Entrance Door -LMI

APPROVAL DOCUMENT: Drawing No. **W03-94**, titled "Series "35H" Aluminum Outswing Entrance Door - L.M.I.", sheets 1 through 11 of 11, prepared by AL-Farooq Corporation, dated 10/20/03 and last revised on MAR 29, 2004, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitation:

1. **Maximum Design Pressure Rating:** The design pressures load capacity tables (psf) on sheets 2 and 3 shall be Divided by 1.33 to obtain the Allowable Design Pressure.
2. **Glass types 1 and 2 are not Valid** 3. **Optional Threshold Ramp to be properly secured & reviewed by AHJ**

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **04-0227.02** consists of this page 1 and evidence sheet E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY
APPROVED

NOA No 09-0518.09
Expiration Date: June 10, 2010
Approval Date: June 10, 2009
Page 1

8/12/09

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A. DRAWINGS (transferred from file # 04-0227.02)

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-94**, titled "Series "35H" Aluminum Outswing Entrance Door -L.M.I.", sheets 1 through 11 of 11, prepared by AL-Farooq Corporation, dated 10/20/03 and last revised on MAR 29, 2004, signed and sealed by Dr. Humayoun Farooq, P.E.

B. TESTS (transferred from file # 04-0227.02)

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0415-03**, with Specimen # 3, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0711-02**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-1203-02** with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
4. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0711-02**, with Specimen # 2, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
5. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0306-03**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
6. Test reports on 1) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0529-03**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
7. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0415-03** with Specimen # 2, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.

Product Control Examiner

NOA No 09-0518.09

Expiration Date: June 10, 2010

Approval Date: June 10, 2009

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

B. TESTS Continue :(transferred from file # 04-0227.02)

8. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0415-03** with Specimen # 2, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
9. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0529-03**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
10. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0923-02**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
11. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0641-03** with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
12. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0415-03** with Specimen # 4, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
13. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0415-03** with Specimen # 3, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS (transferred from file # 04-0227.02)

1. Comparative analysis and structural analysis, prepared by AL-Farooq Corporation, dated 12/29/03, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Complies w/ASTME-1300-02 & 04 (Except Glass type 1 &2)

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Examiner
NOA No 09-0518.09
Expiration Date: June 10, 2010
Approval Date: June 10, 2009

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **05-1208.02** issued to "E.I. DuPont Denemours" for "DuPont Butacite ® PVB", expiring on 12/11/10.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia, for "Saflex IIIIG clear & color interlayer", expiring on 05/21/2011
3. Notice of Acceptance No. **08-0206.01** issued to Solutia, for "Saflex HP glass interlayer", expiring on 04/17/2013
4. Notice of Acceptance No. **07-1116.11** issued to Security Impact Glass Holding L.L.C, for "Saf-Glas Polycarbonate Laminate", expiring on 12/16/2012

F. STATEMENTS (transferred from file # 04-0227.02)

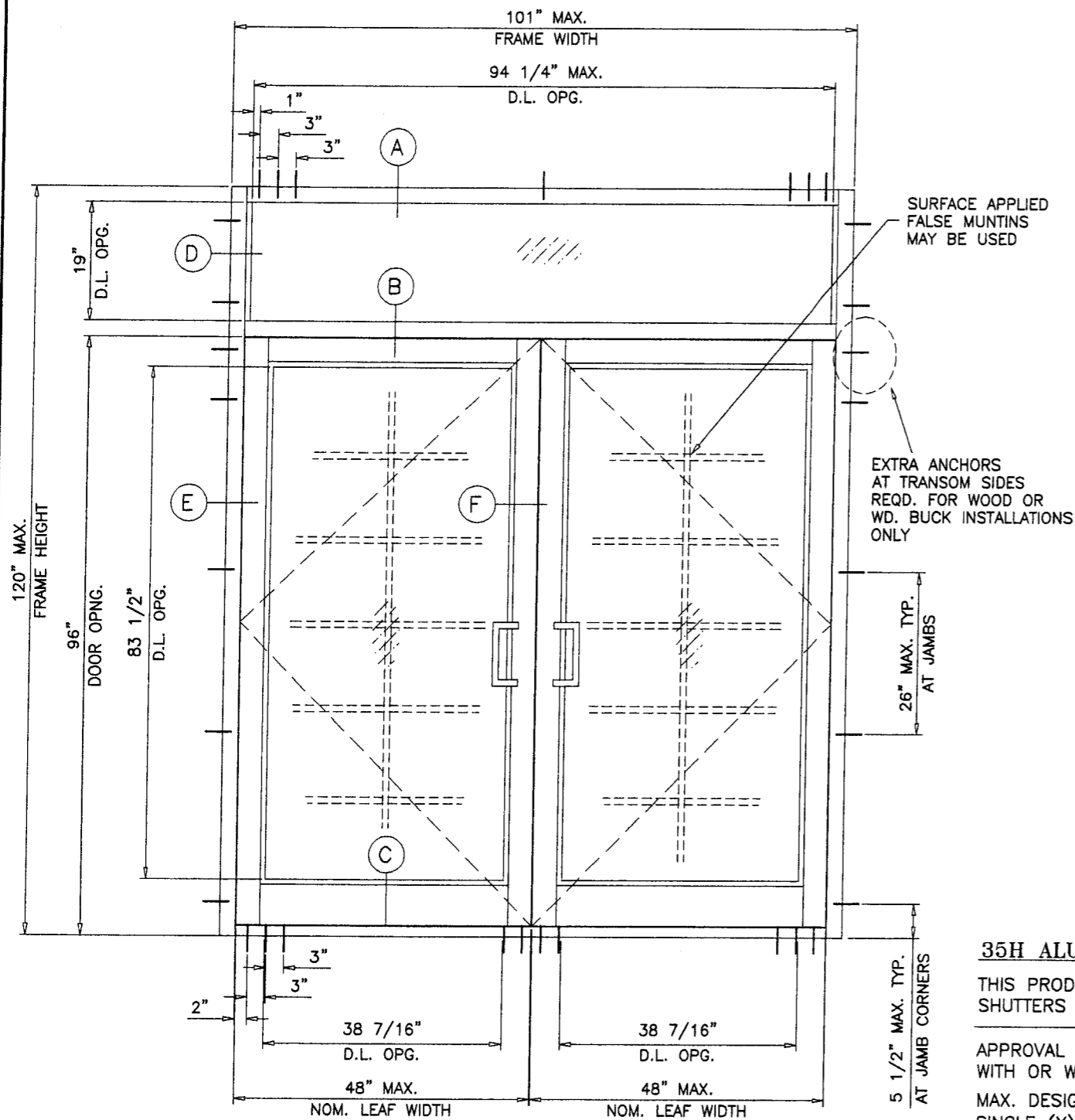
1. Statement letter of code compliance, dated December 18, 2003, signed and sealed by Dr. Dr. Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated December 29, 2003, signed and sealed by Dr. Humayoun Farooq, P.E.
3. BCCO anchor verification with design Pressure (Dp) reduction by 1.33 to comply with FBC 2007.

G. OTHER

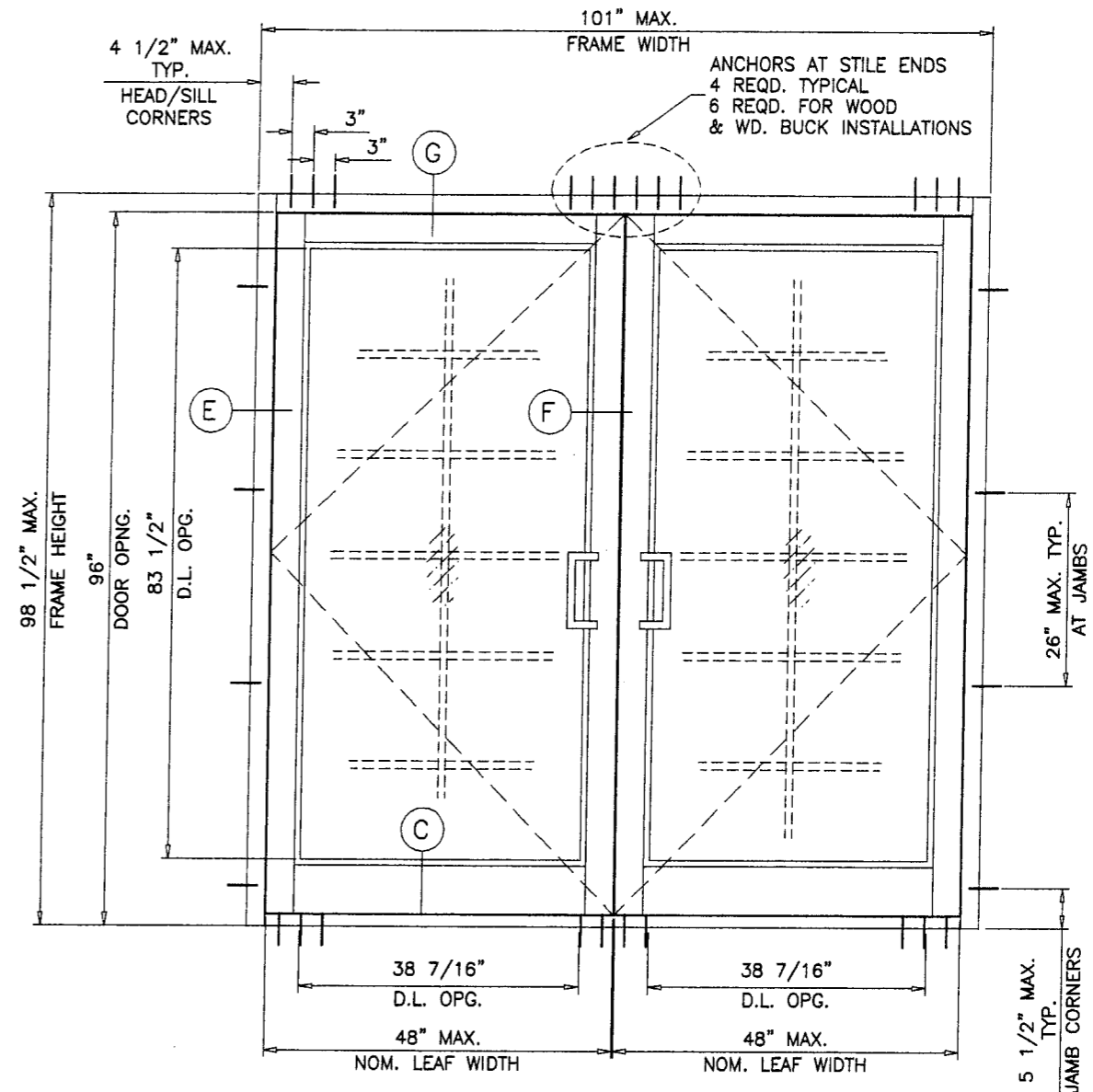
1. This NOA revises NOA # **04-0227.02**, expiring June 10, 2009
2. Test proposal dated 05-18-09 approved by BCCO
3. One year conditional approval, subjected to successful verification test.
4. Letter dated 03/24/04 from the consultant stating that the product is in compliance with the Florida Building Code (transferred from file #04-0227.02)

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Examiner
NOA No 09-0518.09
Expiration Date: June 10, 2010
Approval Date: June 10, 2009



(O/XX)
TYPICAL ELEVATION
TESTED UNIT



35H ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)

THIS PRODUCT IS RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH OR WITHOUT TRANSOMS.

MAX. DESIGN LOAD RATING FOR

SINGLE (X) AND DOUBLE (XX) LEAF DOORS W/O TRANSOMS SEE SHEET 3.
SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH TRANSOMS SEE SHEET 4.
SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH YHS-50 STOREFRONT SYSTEM SEE SHEET 4.

USE THRESHOLD (C) FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.

USE THRESHOLD (C1) FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

Approved as complying with the
Florida Building Code

Date 05/20/04

NOA# 04-0223.02

Miami Dade Product Control

By *Edward L. Berman*

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0518.09
Expiration Date JUNE 10, 2010

By *Iskag J. Chayla*
Miami Dade Product Control
Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

MAR 29 2004

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978

35H ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)

YKK AP AMERICA INC.

332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021

TEL (478) 277-1955 FAX (478) 277-1978

YKK AP

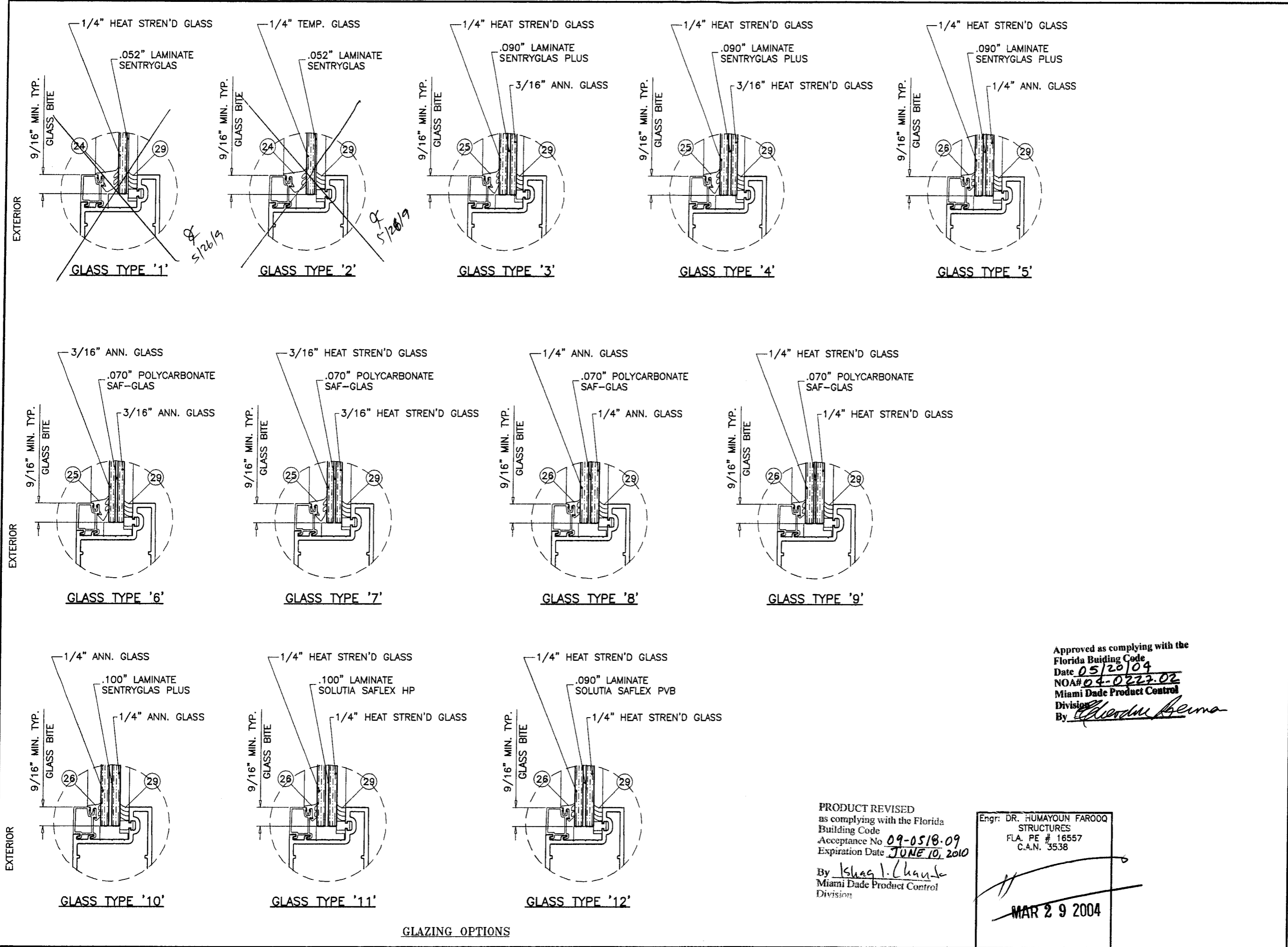
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date:	10-20-03
scale:	1/2" = 1'-0"
dr. by:	HAMID
chk. by:	

drawing no.
W03-94

sheet 1 of 11

COMP-ANL\W03-94YKK



Approved as complying with the
Florida Building Code
Date 05/28/04
NOA# 04-0222-02
Miami Dade Product Control
Division
By Chardine Beerna

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0518-09
Expiration Date JUNE 10, 2010
By Shag I. Chande
Miami Dade Product Control
Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
MAR 29 2004

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revisions:	no	date	by	description	REV. PER	COMMENTS
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date: 10-20-03

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dr. by: HAMID

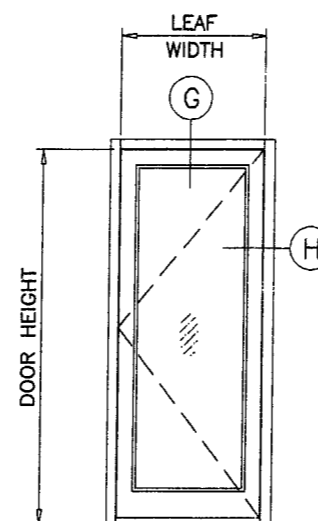
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drawing no.
W03-94

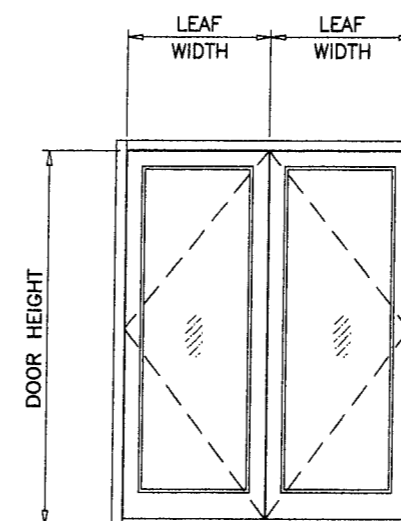
sheet 2 of 11

SINGLE OR DOUBLE ENTRANCE DOORS W/O TRANSOM
DESIGN LOAD CAPACITY - PSF

NOMINAL DIMS.		GLASS TYPE '1'		GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPES '4' & '5'		GLASS TYPES '6' & '7'		GLASS TYPES '8', '9' & '10'		GLASS TYPE '11'		GLASS TYPE '12'	
LEAF WIDTH INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	80"	70.0	90.0	70.0	90.0	68.6	86.3	68.6	86.3	70.0	90.0	70.0	90.0	70.0	90.0	60.0	65.0
36"		70.0	90.0	70.0	90.0	68.6	86.3	68.6	86.3	70.0	90.0	70.0	90.0	70.0	90.0	60.0	65.0
42"		70.0	86.0	70.0	90.0	68.2	86.0	68.6	86.3	70.0	80.2	70.0	90.0	70.0	90.0	60.0	65.0
48"		70.0	78.6	70.0	90.0	68.2	78.6	68.6	86.3	62.8	62.8	70.0	90.0	70.0	90.0	60.0	65.0
30"	84"	70.0	90.0	70.0	90.0	68.6	86.3	68.6	86.3	70.0	90.0	70.0	90.0	70.0	90.0	60.0	65.0
36"		70.0	90.0	70.0	90.0	68.6	86.3	68.6	86.3	70.0	90.0	70.0	90.0	70.0	90.0	60.0	65.0
42"		70.0	81.2	70.0	90.0	68.6	81.2	68.6	86.3	70.0	76.0	70.0	90.0	70.0	90.0	60.0	65.0
48"		70.0	74.2	70.0	90.0	68.6	74.2	68.6	86.3	59.4	59.4	70.0	90.0	70.0	90.0	60.0	65.0
30"	90"	70.0	90.0	70.0	90.0	68.6	86.3	68.6	86.3	70.0	90.0	70.0	90.0	70.0	90.0	60.0	65.0
36"		70.0	90.0	70.0	90.0	68.6	86.3	68.6	86.3	70.0	90.0	70.0	90.0	70.0	90.0	60.0	65.0
42"		70.0	75.2	70.0	90.0	68.6	75.2	68.6	86.3	70.0	70.5	70.0	90.0	70.0	90.0	60.0	65.0
48"		-	-	-	-	-	-	-	-	-	-	70.0	89.8	70.0	90.0	-	-
30"	96"	70.0	90.0	70.0	90.0	68.6	86.3	68.6	86.3	70.0	90.0	70.0	90.0	70.0	90.0	60.0	65.0
36"		70.0	90.0	70.0	90.0	68.6	86.3	68.6	86.3	70.0	90.0	70.0	90.0	70.0	90.0	60.0	65.0
42"		70.0	71.0	70.0	90.0	68.6	71.0	68.6	86.3	68.8	68.8	70.0	90.0	70.0	90.0	60.0	65.0
48"		-	-	-	-	-	-	-	-	-	-	70.0	87.5	70.0	90.0	-	-



(X)



(XX)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0518-09
Expiration Date JUNE 10, 2010
By Ishag I. Chant
Miami Dade Product Control
Division

Engr: DR. HUMAYGUN FAROOQ
STRUCTURES
FLA. P.E. # 16557
C.A.N. 3539

MAR 29 2004

Approved as complying with the
Florida Building Code
Date 05/20/04
NOA# 09-0222-02
Miami Dade Product Control
Division
By Glenn Kerna



AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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MIAMI, FLORIDA 33174
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COMP-ANL W03-94YKK

35H ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)

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no	date	by	description	REV.	PER	COMMENTS
A	03.26.04					

date: 10-20-03

scale: 1/2"=1'-0"

dr. by: HAMID

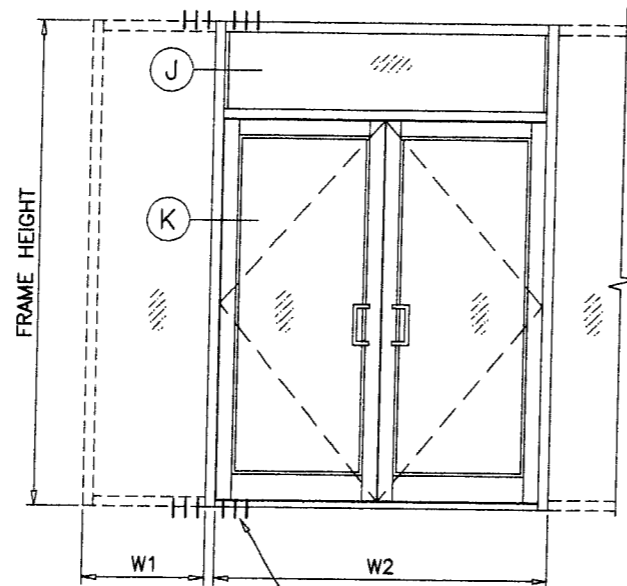
chk. by:

drawing no.

W03-94

sheet 3 of 11

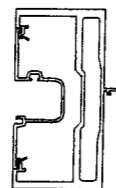
MULLION LOAD CAPACITY-PSF					
WIDTH (W) INCHES	FRAME HEIGHT INCHES	W/O REINFORCING		WITH REINFORCING	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
48"	96"	55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"		55.0	70.0	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		55.0	70.0	70.0	90.0
72"		55.0	70.0	70.0	90.0
75"		55.0	70.0	70.0	90.0
78"		55.0	70.0	70.0	90.0
48"	102"	55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"		55.0	70.0	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		55.0	70.0	70.0	90.0
72"		55.0	70.0	70.0	90.0
75"		-	-	70.0	90.0
78"		-	-	70.0	90.0
48"	108"	55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"		55.0	70.0	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		55.0	70.0	70.0	90.0
72"		-	-	70.0	90.0
75"		-	-	70.0	90.0
78"		-	-	70.0	90.0
48"	114"	55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"		55.0	70.0	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		-	-	70.0	90.0
72"		-	-	70.0	90.0
75"		-	-	70.0	90.0
48"	120"	-	-	70.0	90.0
51"		-	-	70.0	90.0
54"		-	-	70.0	90.0
57"		-	-	70.0	90.0
60"		-	-	70.0	90.0
63"		-	-	70.0	90.0
66"		-	-	70.0	90.0
69"		-	-	70.0	90.0
72"		-	-	70.0	90.0



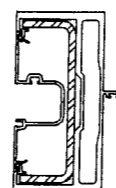
SEE CHART BELOW
FOR TOTAL NUMBER
OF ANCHORS
AT MULLION ENDS
3" O.C. FOR CONC.
1-1/2" O.C. FOR WOOD

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

TOTAL NUMBER OF ANCHORS AT MULLION ENDS			W/O REINFORCING		WITH REINFORCING	
ANCHOR TYPE	ANCHOR DESCRIPTION	SUBSTRATE	NO. OF ANCHORS HEAD	SILL	NO. OF ANCHORS HEAD	SILL
A	1/4" TAPCONS	WOOD STRUCTURE	8	8	11	11
		THRU 1BY OR 2BY BUCKS INTO CONC.	8	8	11	11
B	1/4" TAPCONS	DIRECTLY INTO CONCRETE	4	4	6	6
C	#24 WOOD SCREWS 3" MIN. EMBED	WOOD STRUCTURE	5	5	7	7
D	1/4-20 KWIK-FLEX SELF DRILLING SCREWS	METAL STRUCTURES STL. OR ALUM 1/8" MIN. THK.	4	4	6	6

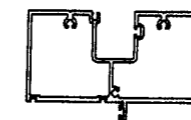


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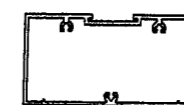


WITH REINFORCING

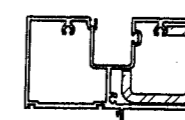
HORIZONTAL LOAD CAPACITY-PSF							
HEIGHT (H) INCHES	WIDTH INCHES	HORIZONTAL-A		HORIZONTAL-B		HORIZONTAL-C&D	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
51"	72"	70.0	90.0	70.0	90.0	70.0	90.0
54"		70.0	90.0	70.0	90.0	70.0	90.0
57"		70.0	90.0	70.0	90.0	70.0	90.0
60"		70.0	90.0	70.0	90.0	70.0	90.0
51"	78"	70.0	90.0	70.0	90.0	70.0	90.0
54"		70.0	90.0	70.0	90.0	70.0	90.0
57"		70.0	90.0	70.0	88.1	70.0	90.0
60"		70.0	86.3	70.0	83.7	70.0	90.0
51"	84"	70.0	90.0	70.0	90.0	70.0	90.0
54"		70.0	89.0	70.0	86.3	70.0	90.0
57"		70.0	84.4	70.0	81.8	70.0	90.0
60"		70.0	80.1	70.0	77.7	70.0	90.0
51"	90"	70.0	88.0	70.0	85.3	70.0	90.0
54"		70.0	83.1	70.0	80.6	70.0	90.0
57"		70.0	78.7	70.0	76.3	70.0	90.0
60"		70.0	74.8	70.0	72.5	70.0	90.0
51"	96"	70.0	82.5	70.0	80.0	70.0	90.0
54"		70.0	77.9	70.0	75.5	70.0	90.0
57"		70.0	73.8	70.0	71.6	70.0	90.0
60"		70.0	70.1	68.0	68.0	70.0	90.0



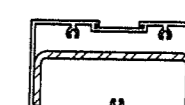
HORIZONTAL-A



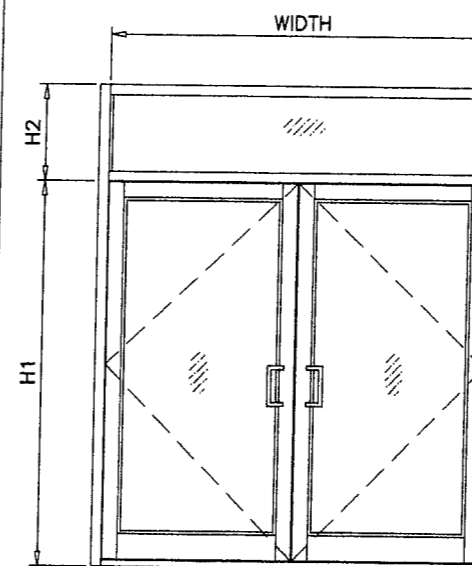
HORIZONTAL-B



HORIZONTAL-C



HORIZONTAL-D



$$\text{HEIGHT (H)} = \frac{H1 + H2}{2}$$

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0518.09
Expiration Date JUNE 10, 2010

By Ghag L. Chanda
Miami Dade Product Control
Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

MAR 29 2004

Approved as complying with the
Florida Building Code
Date 03/20/04
NOA# 04-0222.02
Miami Dade Product Control
Division
By Alfredo Reina

35H ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)

YKK AP AMERICA INC.
332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021
TEL (478) 277-1955 FAX (478) 277-1978

YKK AP

revisions:
no. date by description
A 03.26.04 REV. PER BCCO COMMENTS

date: 10-20-03

scale: 1/2"=1'-0"

dr. by: HAMID

chk. by:

drawing no.

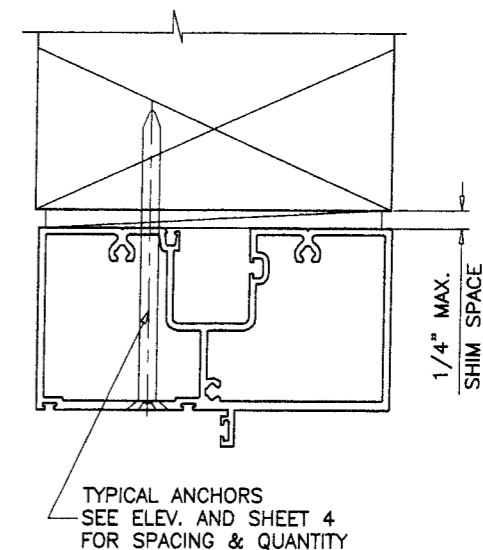
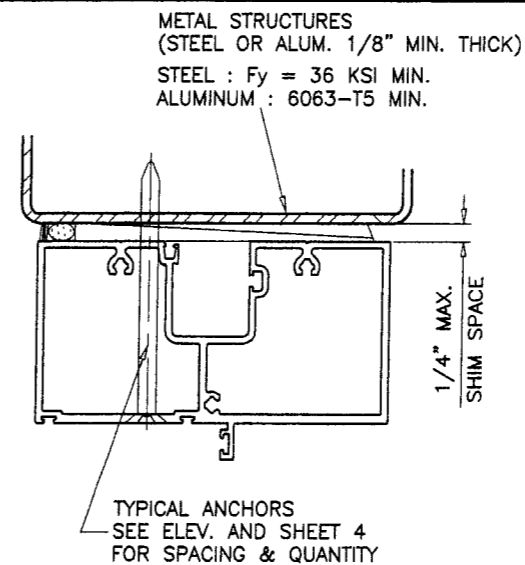
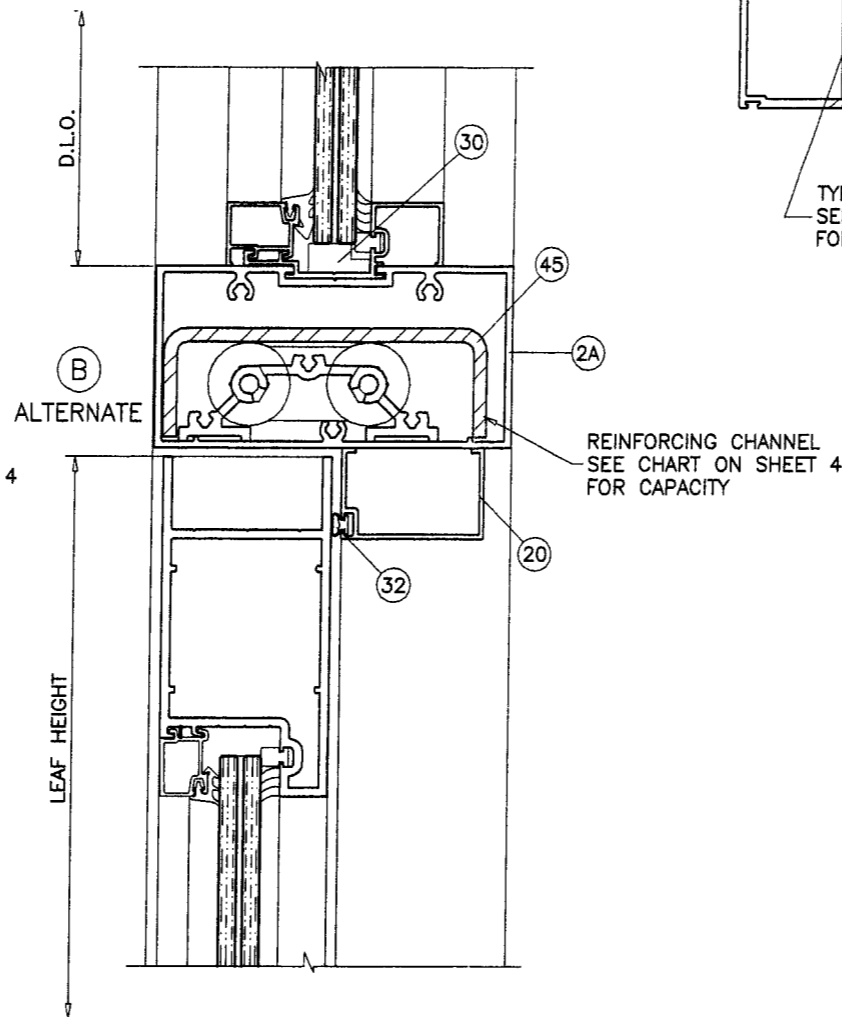
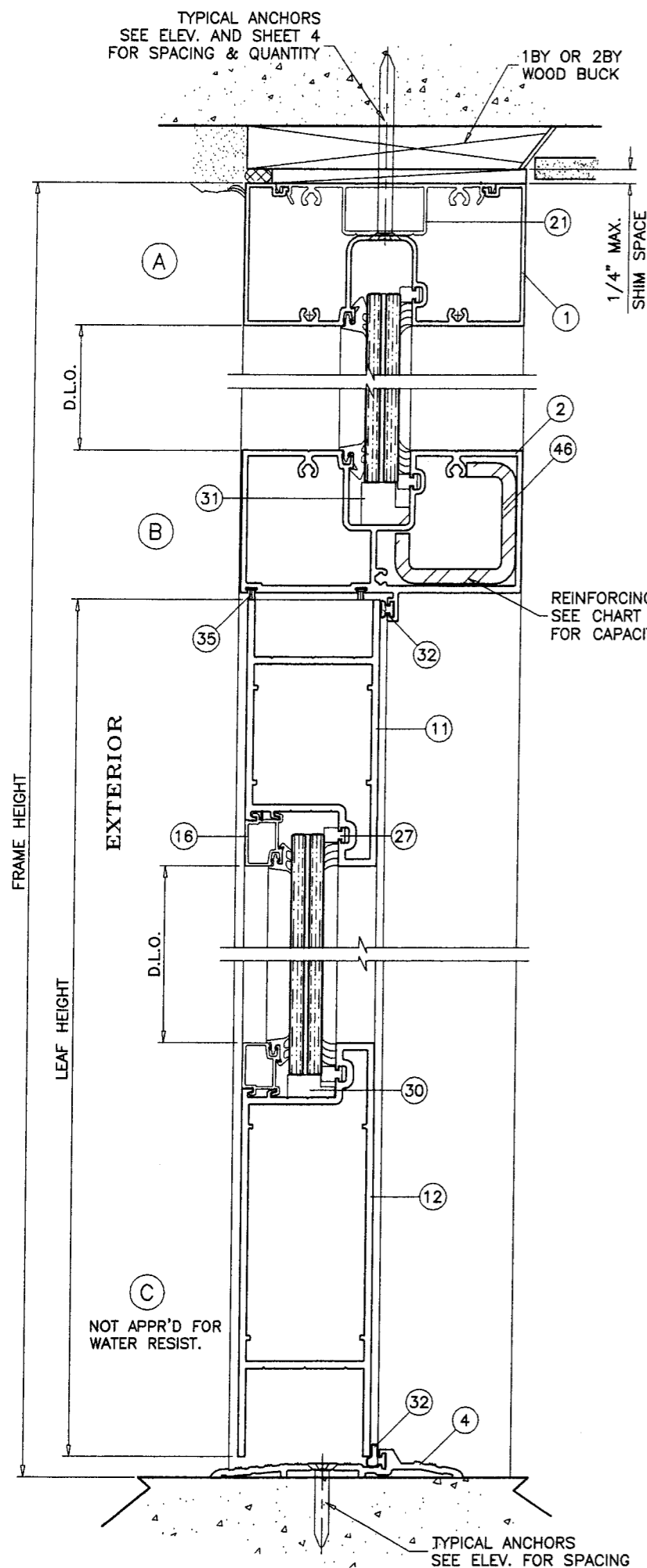
W03-94

sheet 4 of 11

AL-FAROOQ CORPORATION

ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL W03-94YKK



Approved as complying with the
Florida Building Code
Date 05/20/04
NOAH 04-0222.02
Miami Dade Product Control
Division
By Shag J. Llanza

PRODUCT REVISED
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Expiration Date JUNE 10, 2010
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STRUCTURES
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C.A.N. 3538
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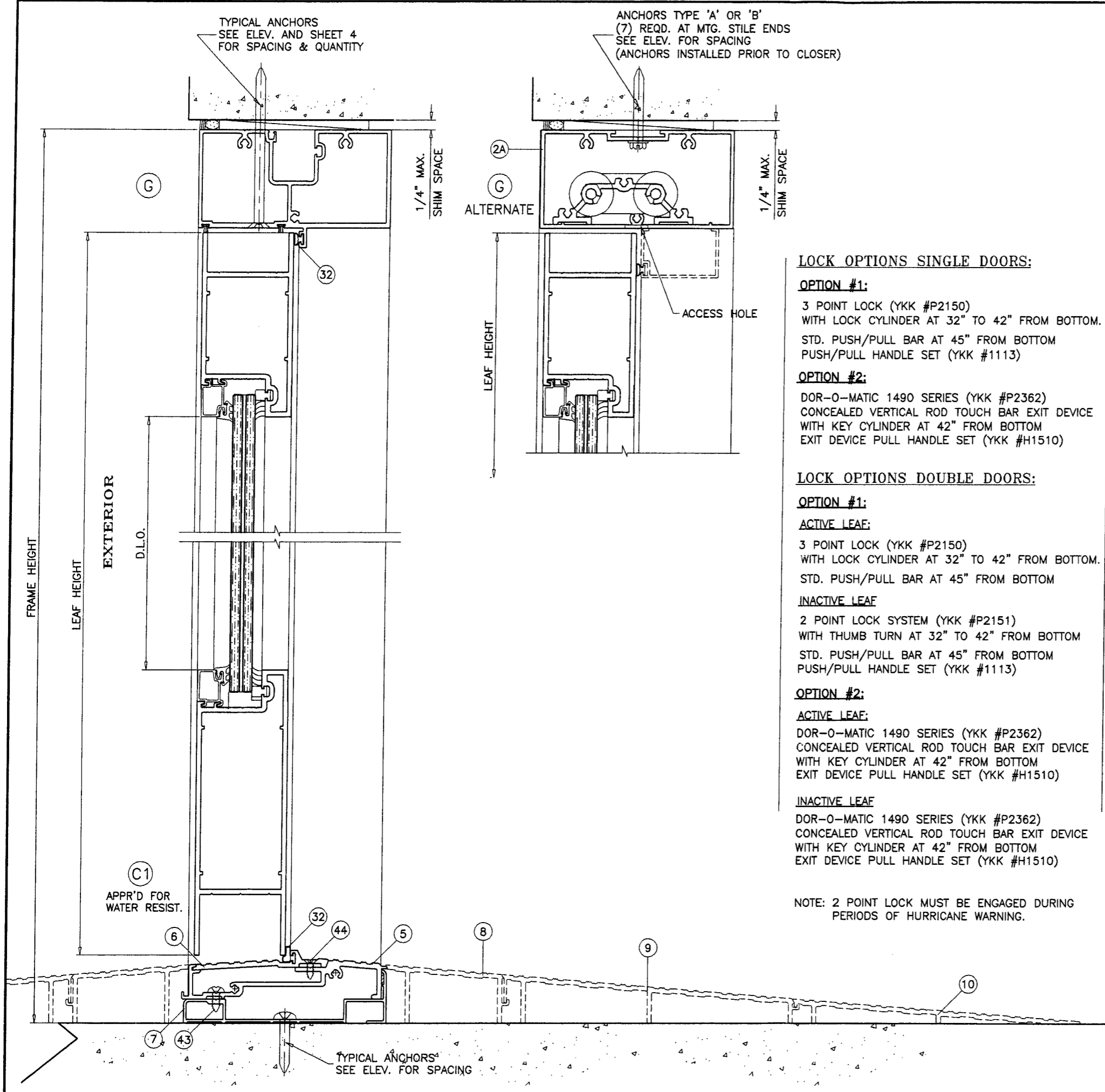
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A	03.26.04	REV.	PER BCCO COMMENTS

revisions:

date: 10-20-03
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-94

sheet 5 of 11



ANCHORS TYPE 'A' OR 'B'
(7) REQD. AT MTG. STILE ENDS
SEE ELEV. FOR SPACING
(ANCHORS INSTALLED PRIOR TO CLOSER)

TYPICAL ANCHORS
SEE ELEV. AND SHEET 4
FOR SPACING & QUANTITY

Approved as complying with the
Florida Building Code
Date 05/20/04
NOAH 04-0222-02
Miami Dade Product Control
Division
By Sheeran Perma

LOCK OPTIONS SINGLE DOORS:

- OPTION #1:**
3 POINT LOCK (YKK #P2150)
WITH LOCK CYLINDER AT 32" TO 42" FROM BOTTOM.
STD. PUSH/PULL BAR AT 45" FROM BOTTOM
PUSH/PULL HANDLE SET (YKK #1113)
- OPTION #2:**
DOR-O-MATIC 1490 SERIES (YKK #P2362)
CONCEALED VERTICAL ROD TOUCH BAR EXIT DEVICE
WITH KEY CYLINDER AT 42" FROM BOTTOM
EXIT DEVICE PULL HANDLE SET (YKK #H1510)

LOCK OPTIONS DOUBLE DOORS:

- OPTION #1:**
ACTIVE LEAF:
3 POINT LOCK (YKK #P2150)
WITH LOCK CYLINDER AT 32" TO 42" FROM BOTTOM.
STD. PUSH/PULL BAR AT 45" FROM BOTTOM
- INACTIVE LEAF**
2 POINT LOCK SYSTEM (YKK #P2151)
WITH THUMB TURN AT 32" TO 42" FROM BOTTOM
STD. PUSH/PULL BAR AT 45" FROM BOTTOM
PUSH/PULL HANDLE SET (YKK #1113)
- OPTION #2:**
ACTIVE LEAF:
DOR-O-MATIC 1490 SERIES (YKK #P2362)
CONCEALED VERTICAL ROD TOUCH BAR EXIT DEVICE
WITH KEY CYLINDER AT 42" FROM BOTTOM
EXIT DEVICE PULL HANDLE SET (YKK #H1510)
- INACTIVE LEAF**
DOR-O-MATIC 1490 SERIES (YKK #P2362)
CONCEALED VERTICAL ROD TOUCH BAR EXIT DEVICE
WITH KEY CYLINDER AT 42" FROM BOTTOM
EXIT DEVICE PULL HANDLE SET (YKK #H1510)

NOTE: 2 POINT LOCK MUST BE ENGAGED DURING
PERIODS OF HURRICANE WARNING.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- A) **1/4" DIA TAPCONS**
INTO WOOD STRUCTURES
WITH 1-1/2" MIN. PENETRATION INTO WOOD
THRU WOOD BUCKS INTO MASONRY
WITH 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- B) **1/4" DIA TAPCONS**
DIRECTLY INTO MASONRY
WITH 1-1/4" MIN. EMBED INTO MASONRY
- C) **#24 WOOD SCREWS**
INTO WOOD STRUCTURES
WITH 3" MIN. PENETRATION INTO WOOD
- D) **#14 SMS OR KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI'**
INTO METAL STRUCTURES
(STEEL OR ALUMINUM 1/8" MIN. THICK.)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.

TYPICAL EDGE DISTANCE
INTO CONCRETE AND MASONRY = 12 X ANCHOR DIA.
INTO WOOD STRUCTURE = 4 X ANCHOR DIA.

SEALANTS:
ALL FRAME CORNERS SEALED WITH TREMCO
SPECTREM 2 OR DOW 795 SILICONE.


HINGES:
4-1/2" X 4" BRASS BUTT HINGES (YKK #P1300)
AT 4" FROM TOP END, 7" FROM BOTTOM END
AND ONE OR TWO EQUALLY SPACED.
(3) PER LEAF FOR 90" DOOR HT. AND ≤ 36" LEAF WD.
(4) PER LEAF FOR UPTO 96" DOOR HT.
AND UPTO 48" LEAF WD.

HINGE ATTACHED TO DOOR FRAME AND DOOR STILE
USING (4) #12-24 X 1/2" FH MS THAT PASS THRU
DOOR MEMBER AND THREAD INTO 5/16" ALUMINUM
BACKUP PLATE.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
F.L.A. PE # 16557
C.A.N. 3538

MAR 29 2004


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0518.09
Expiration Date JUNE 10, 2010
By Ishag I. Chaudhry
Miami Dade Product Control
Division



AL-FAROOQ CORPORATION
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1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-94YKK

35H ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)

YKK AP AMERICA INC.
332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021
TEL.(478) 277-1955 FAX(478) 277-1978



revisions:		no	date	by	description
		A	03.26.04		REV. PER BCCO COMMENTS

date: 10-20-03

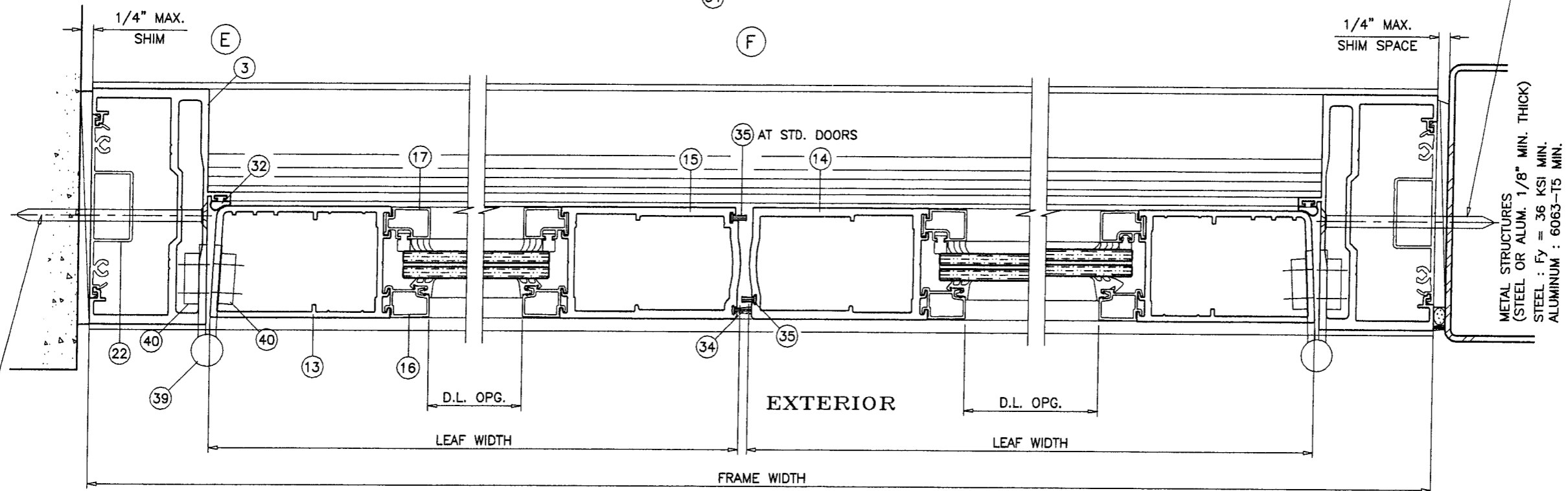
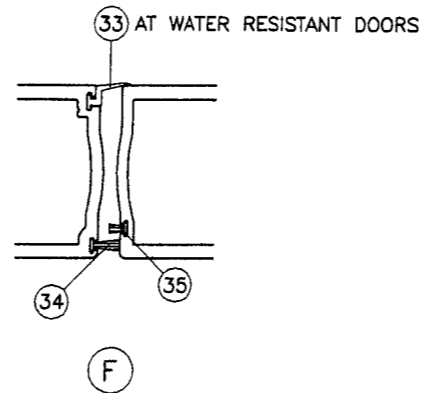
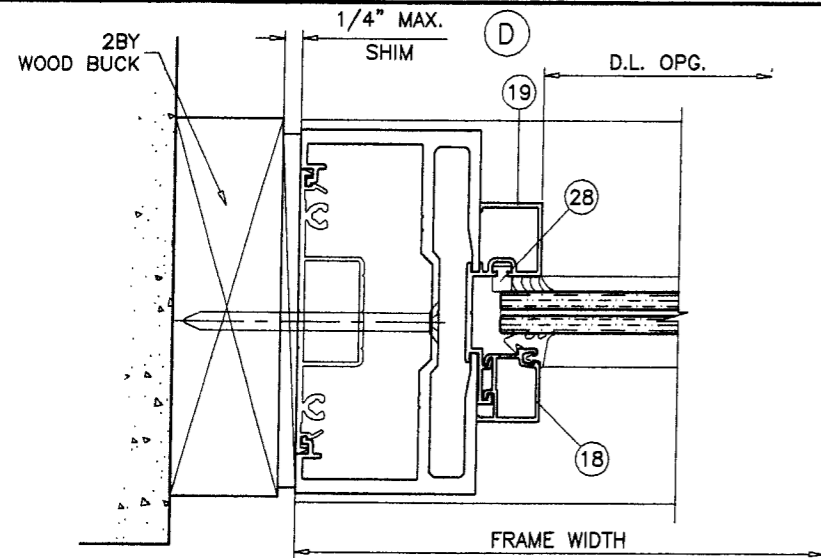
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dr. by: HAMID

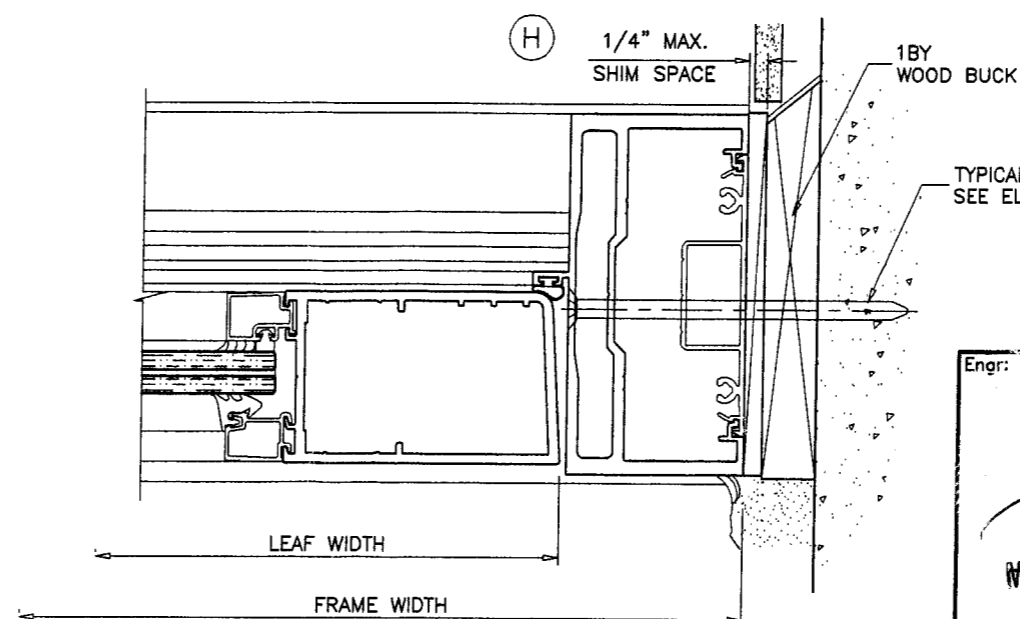
chk. by:

drawing no.
W03-94

sheet 6 of 11



TYPICAL ANCHORS
SEE ELEV. FOR SPACING



TYPICAL ANCHORS
SEE ELEV. FOR SPACING

METAL STRUCTURES
(STEEL OR ALUM. 1/8\"/>

Approved as complying with the
Florida Building Code
Date 05/20/04
NOA# 04-0222-02
Miami Dade Product Control
Division
By [Signature]

PRODUCT REVISED
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Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

By Isqas I. Chaudhry
Miami Dade Product Control
Division

MAR 29 2004

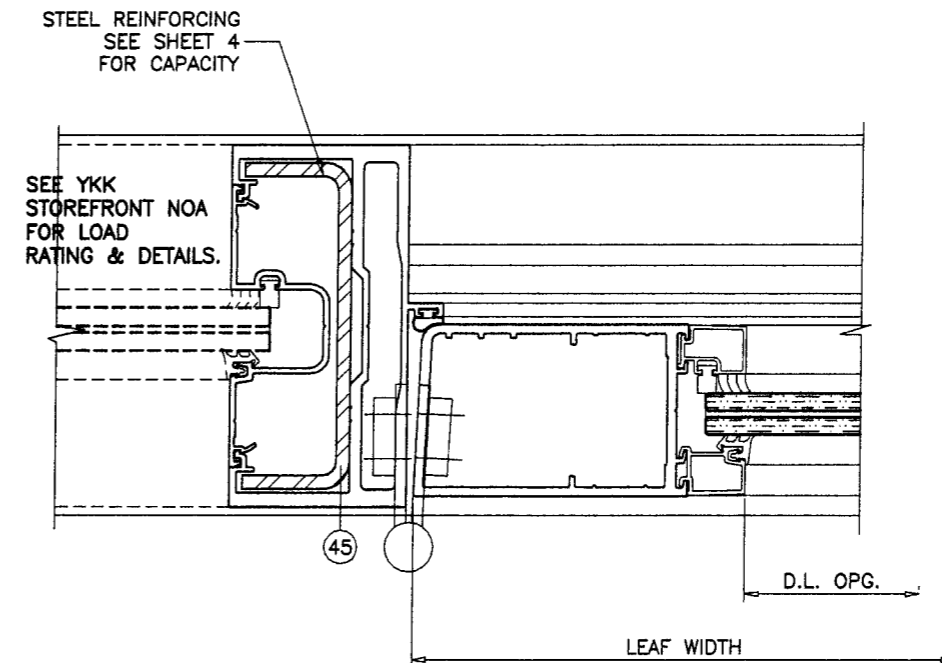
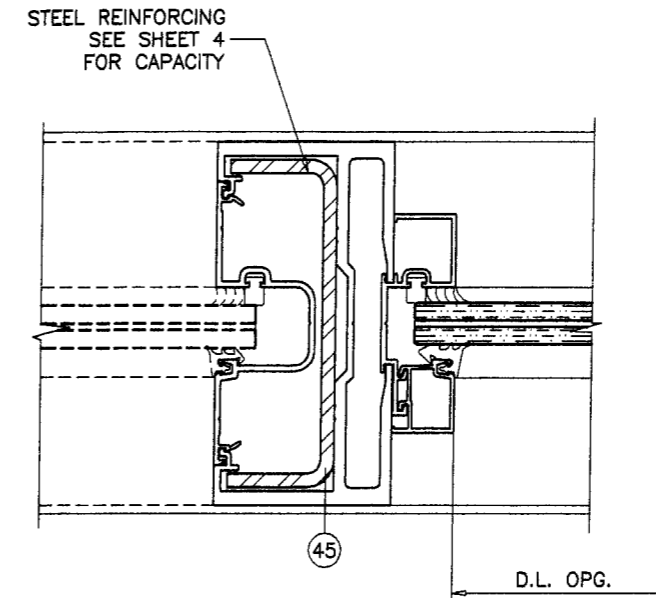
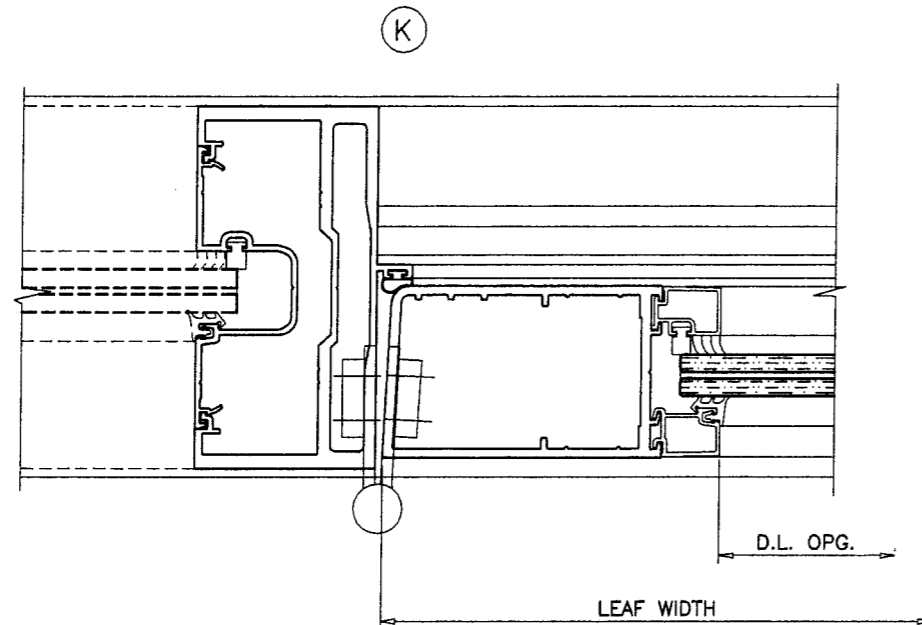
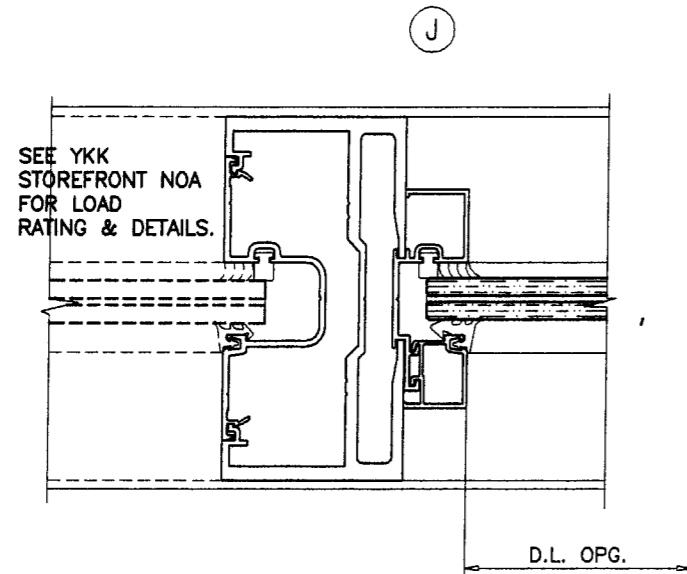
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-94YKK

YKK AP AMERICA INC.
332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021
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revisions:		
no.	date	description
A	03.26.04	NO CHANGE THIS SHEET

date: 10-20-03
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-94
sheet 7 of 11



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Florida Building Code
Date 05/20/04
NOA# 04-0227.02
Miami Dade Product Control
Division
By [Signature]

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

MAR 29 2004

PRODUCT REVISED
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Building Code
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Expiration Date JUNE 10, 2010
By Ighas I. Chaudhary
Miami Dade Product Control
Division

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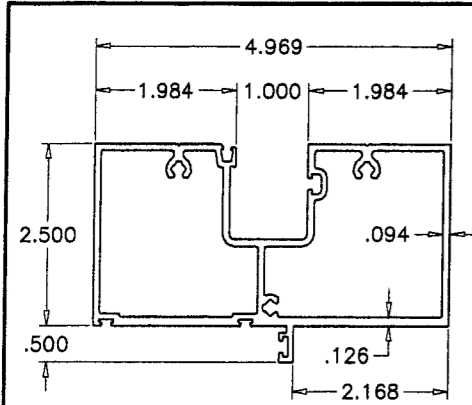
35H ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)

revisions:	no	date	by	description
	A	03.26.04		NO CHANGE THIS SHEET

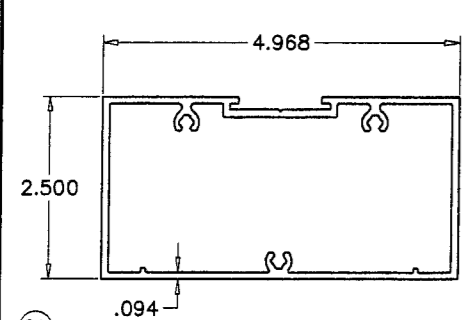
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scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-94

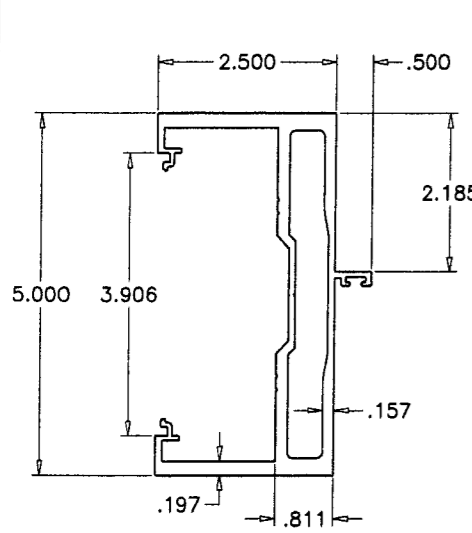
sheet 8 of 11



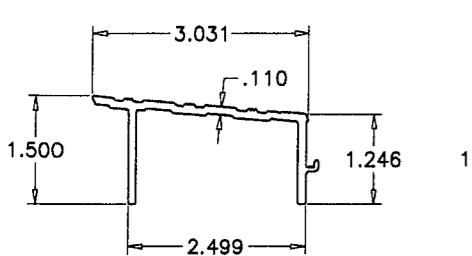
② STD. FRAME TRANSOM



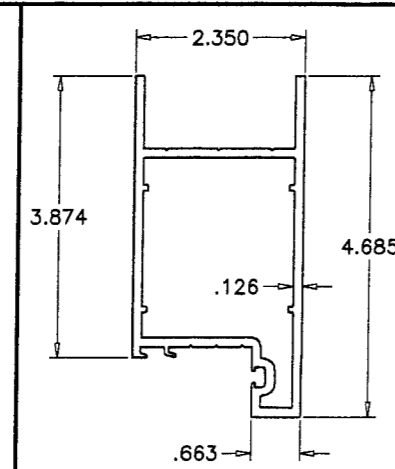
②A ALT. FRAME TRANSOM (FOR O.H.C.C.)



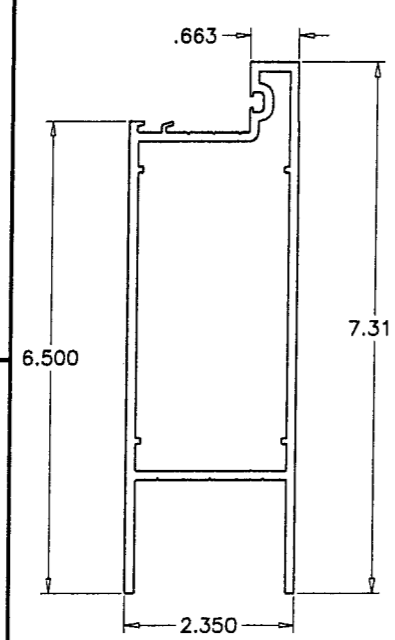
③ FRAME JAMB



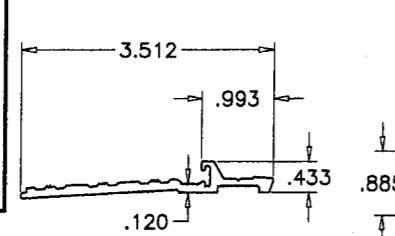
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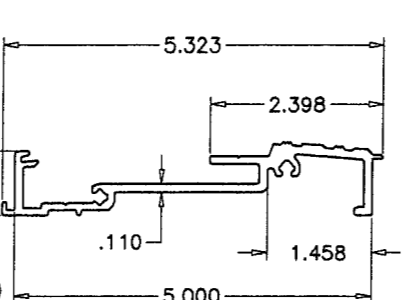
⑪ TOP RAIL



⑫ BOTTOM RAIL

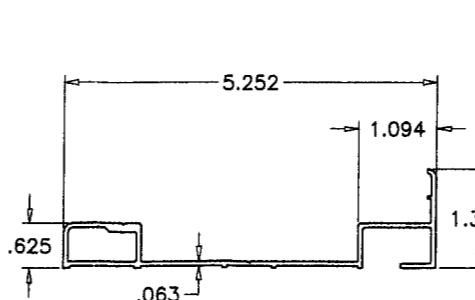


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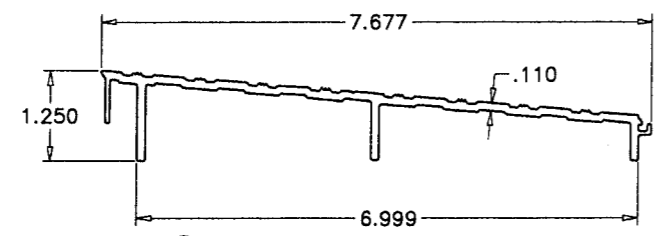


⑤

ALT. THRESHOLD

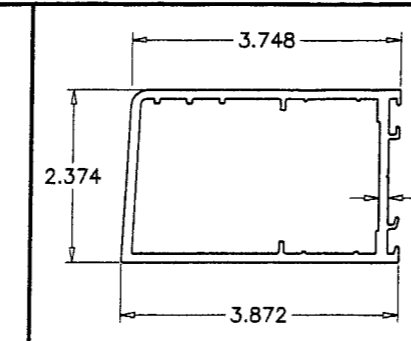


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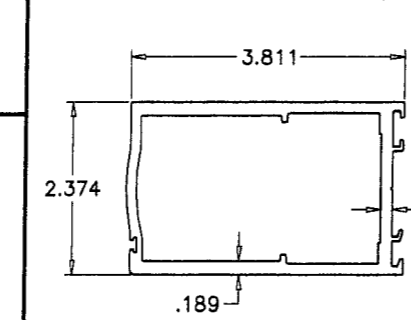


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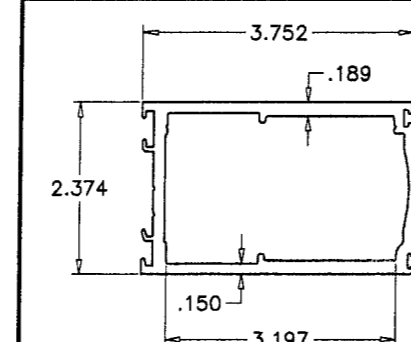
THRESHOLD RAMP (OPTIONAL)



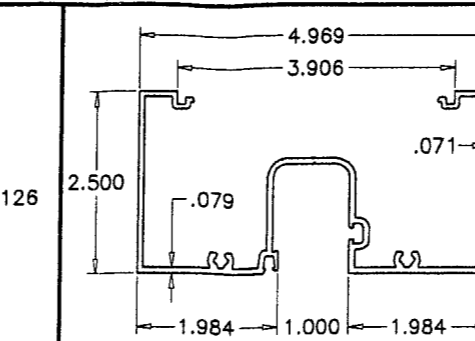
⑬ HINGE STILE



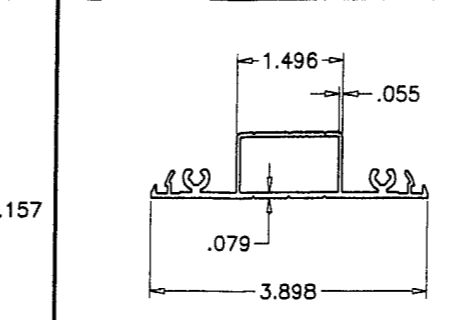
⑭ LOCK STILE (ACTIVE)



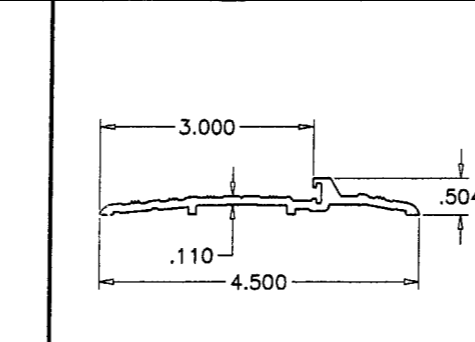
⑮ LOCK STILE (IN-ACTIVE)



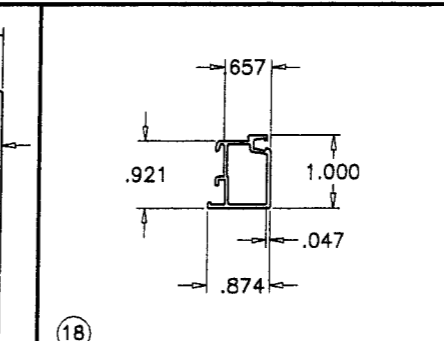
① TRANSOM HEAD



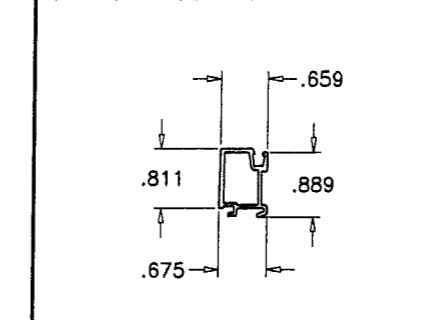
⑳ ANCHOR PLATE



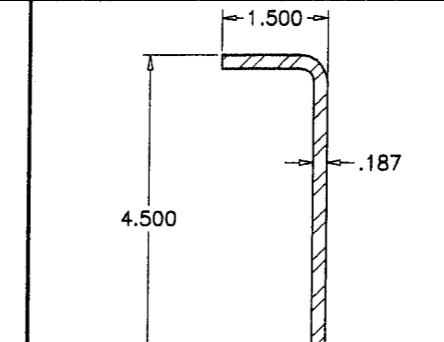
④ BUMPER THRESHOLD



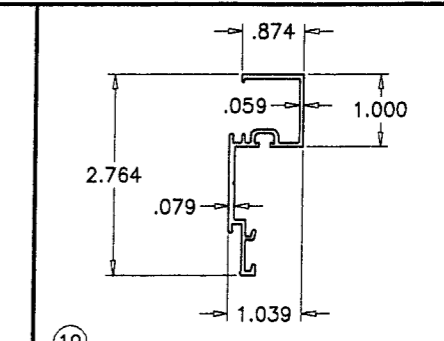
⑱ EXT. GLASS STOP (TRANSOM)



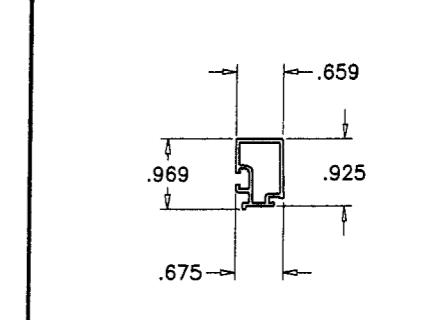
⑯ EXTERIOR GLASS STOP (DOOR)



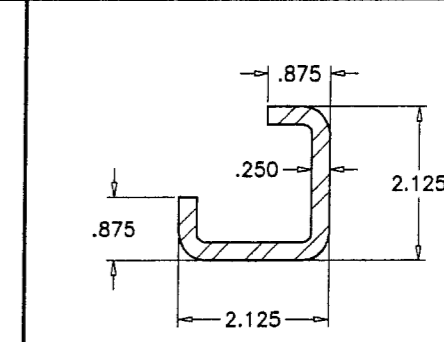
④⑤ MULLION/HORIZ. REINFORCING



⑲ INT. GLASS STOP (TRANSOM)



⑰ INTERIOR GLASS STOP (DOOR)



④⑥ REINFORCING ANGLE FOR STD. FRAME TRANSOM

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0510-09
Expiration Date JUNE 10, 2010
By: *Ismael Chandra*
Miami Dade Product Control
Division

Approved as complying with the
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Date: 05/20/04
NOA# 04-0227-02
Miami Dade Product Control
By: *Ismael Chandra*

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3536

MAR 29 2004

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YKK AP

revisions:		no date		by description	
A	03.26.04				NO CHANGE THIS SHEET

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scale: 3/8" = 1"

dr. by: HAMID

chk. by:

drawing no.
W03-94

sheet 9 of 11

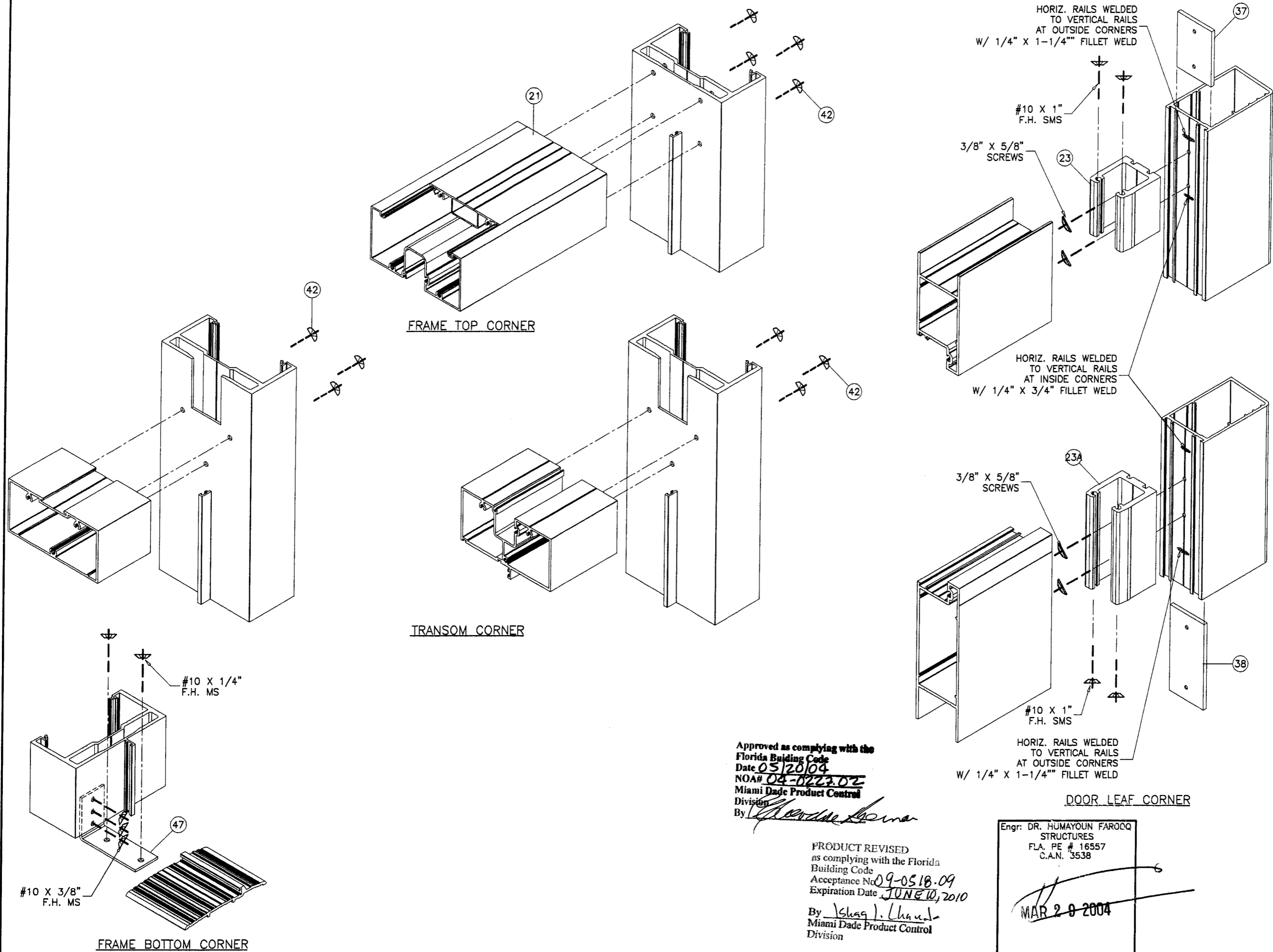
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E9-0601	1	FRAME HEAD	6063-T5	YKK AP AMERICA
2	E9-0501	AS REQD.	FRAME TRANSOM	6063-T5	YKK AP AMERICA
2A	E9-0514	AS REQD.	ALT. FRAME TRANSOM	6063-T5	YKK AP AMERICA
3	E9-0504	2	FRAME JAMB	6063-T5	YKK AP AMERICA
4	E9-0487	1	BUMPER THRESHOLD	6063-T5	YKK AP AMERICA
5	E9-0502	1	ALT. THRESHOLD	6063-T5	YKK AP AMERICA
6	E9-0503	1	THRESHOLD ATTACHMENT	6063-T5	YKK AP AMERICA
7	E9-0611	1	SILL FLASHING	6063-T5	YKK AP AMERICA
8	-	AS REQD.	RAMP PIECE 1	6063-T5	YKK AP AMERICA
9	-	AS REQD.	RAMP PIECE 2	6063-T5	YKK AP AMERICA
10	-	AS REQD.	RAMP PIECE 3	6063-T5	YKK AP AMERICA
11	E9-0220	1/ LEAF	TOP RAIL	6063-T5	YKK AP AMERICA
12	E9-0221	1/ LEAF	BOTTOM RAIL	6063-T5	YKK AP AMERICA
13	E9-0222	1 OR 2/ LEAF	HINGE STILE	6063-T5	YKK AP AMERICA
14	E9-0223	1	LOCK STILE (ACTIVE) ● DOUBLE DOORS	6063-T5	YKK AP AMERICA
15	E9-0230	1	LOCK STILE (IN-ACTIVE) ● DOUBLE DOORS	6063-T5	YKK AP AMERICA
16	E9-0225	4/ LEAF	EXTERIOR GLASS STOP (DOOR)	6063-T5	YKK AP AMERICA
17	E9-0226	2/ LEAF	INTERIOR GLASS STOP (DOOR)	6063-T5	YKK AP AMERICA
18	E9-0506	AS REQD.	EXTERIOR GLASS STOP (TRANSOM JAMB)	6063-T5	YKK AP AMERICA
19	E9-0505	AS REQD.	INTERIOR GLASS STOP (TRANSOM JAMB)	6063-T5	YKK AP AMERICA
20	E9-0215	1/ DOOR	DOOR STOP	6063-T5	YKK AP AMERICA
21	E1-1071	AS REQD.	ANCHOR PLATE (HEAD), 7-1/2" LONG	6063-T5	YKK AP AMERICA
22	E1-1068A	AS REQD.	ANCHOR PLATE (JAMB), 2-1/2" LONG	6063-T5	YKK AP AMERICA
23	E1-0351	1/ LEAF	TOP RAIL JOINT CLIP, 2.453" LONG	6063-T5	YKK AP AMERICA
23A	E1-0352	1/ LEAF	BOTTOM RAIL JOINT CLIP, 4.516" LONG	6063-T5	YKK AP AMERICA
24	E2-0081	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	-
25	E2-0082	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	-
26	E2-0083	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	-
27	E2-0085	AS REQD.	INTERIOR SILICONE SPACER (DOOR)	EPDM	-
28	E2-0084	AS REQD.	INTERIOR SILICONE SPACER (TRANSOM)	EPDM	-
29	995	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING
30	E2-0086	3/ LEAF	SETTING BLOCK (DOOR)	EPDM	-
31	E2-0080	AS REQD.	SETTING BLOCK (TRANSOM)	EPDM	-
32	E2-0051	AS REQD.	BULB W'STRIPPING	PVC	-
33	E2-0093	AS REQD.	ASTRAGAL GASKET	EPDM	FOR WATER RESISTANT DOORS ONLY
34	E2-0087	AS REQD.	PILE W'STRIPPING	-	-
35	E2-0062	AS REQD.	PILE W'STRIPPING	-	-
36	-	-	-	-	-
37	E1-0311	2/ LEAF	BACK PLATE FOR SHEAR BLOCK TOP	STEEL	-
38	E1-0312	2/ LEAF	BACK PLATE FOR SHEAR BLOCK BOTTOM	STEEL	-
39	H-2301	3 OR 4/ LEAF	BUTT HINGE KIT INCLUDING SCREWS	BRASS	SEE SHEET 6 FOR QUANTITY
40	E1-0357	3 OR 4/ LEAF	HINGE BACKER PLATE	6063-T5	SEE SHEET 6 FOR QUANTITY
41	-	-	-	-	-
42	PC-1216	AS REQD.	FRAME ASSEMBLY SCREWS	STEEL	#12 X 1" PH SMS
43	PC-1408	2	THRESHOLD SCREWS	STEEL	#14 X 1/2" PH SMS
44	FC 1008	AS REQD.	THRESHOLD SCREWS	STEEL	#10 X 1/2" FH SMS
45	E1-1062	AS REQD.	REINFORCING CHANNEL	STEEL	1-1/2" X 4-1/2" X 3/16"
46	E1-	AS REQD.	REINFORCING ANGLE	STEEL	-
47	E1-1066	2	THRESHOLD CLIP	STEEL	3-1/8" X 2" X 12 GA., 1-1/4" LONG

Approved as complying with the
 Florida Building Code
 Date 05/26/04
 NOA# 04-0222.02
 Miami Dade Product Control
 Division Sheeran Berna
 PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 09-0518.09
 Expiration Date JUNE 10, 2010 By Sheeran Berna
 By Shaq I. Chaudhry
 Miami Dade Product Control
 Division

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

MAR 29 2004

	
AL-FAROOQ CORPORATION ENGINEERS, PLANNERS & PRODUCT DESIGN 1235 SW 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL\W03-94YKK	
YKK AP AMERICA INC. 332 FIRETOWER ROAD DUBLIN, GEORGIA 31021 TEL (478) 277-1955 FAX (478) 277-1978	
YKK AP	
35H ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)	
revisions: no date by description A 03.26.04 NO CHANGE THIS SHEET	date: 10-20-03 scale: 3/8" = 1" dr. by: HAMID chk. by:
drawing no. W03-94	
sheet 10 of 11	



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